
Mouse Anti-Delta-9-THC (Biotin) Recombinant Antibody

No. :KF-ab0040

- Expression Host:** Nicotiana benthamiana plants
- Clonality:** Monoclonal, recombinant
- Species and Isotype:** Mouse IgG2a
- Description:** This product is a full-length Mouse IgG2a recombinant antibody specific to Delta-9-THC. It was produced in Nicotiana benthamiana plants via Agrobacterium tumefaciens-mediated infiltration.
- Verified Applications:** Western blot, ELISA
- Dilution Range:** Western blot (1: 1 000 - 1: 5 000)
ELISA (1: 1 000 - 1: 65 000)
- Tested Species Reactivity :** Human
- Concentration :** 1 mg/ml
- Form :** Liquid
- Storage:** Short-term (up to one week): 2 - 8 ° C
Long term: Aliquot and store at - 20 ° C
Store immediately. Aliquot and avoid multiple freeze-thaw cycles.
- Storage Buffer:** 0.1 M Phosphate Buffered Saline, pH 7.4. Preservative: None
- Purification Notes:** This product was purified using Protein A- affinity chromatography.
- Purity:** ≥ 95% as determined by SDS-PAGE

General Notes: For Research Use only, unless otherwise indicated.

Image:

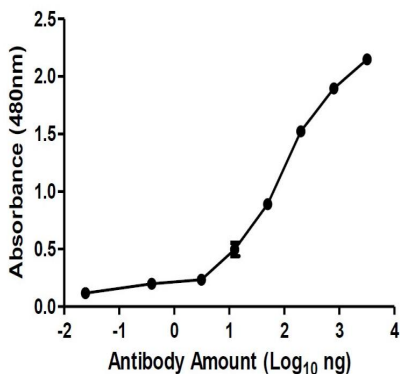


Figure 1. ELISA Dose Response curve: using Mouse Anti-Delta-9-THC (Biotin) Antibody from 32– 0,00024 ng/uL to detect 50 ng THC-BSA antigen. Experiments were performed in triplicate, with error bars representing standard deviation (SD).

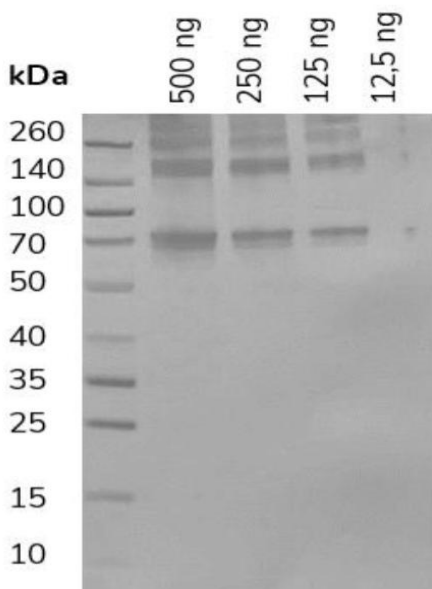


Figure 2. Western blot: decreasing amounts of THC-BSA protein (monomer: 73 kDa, dimer at 140 kDa and tetramer at 260/280 kDa) detected with Mouse Anti-Delta-9-THC (Biotin) at 1: 1 000 and Streptavidin-HRP conjugated at 1/5000.